

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A catalyst composition for purifying an exhaust gas containing an organic compound and a silicon compound, the catalyst composition comprising: the catalyst composition containing alumina particles having a precious metal carried thereon, and zeolite particles having a precious metal carried thereon, wherein the amount of precious metal carried on the alumina particles is in the range of 0.5 wt.% to 10 wt.% of the alumina particles, and the amount of precious metal carried on the zeolite particles is in the range of 0.5 wt.% to 10 wt.% of the zeolite particles; and, wheren

a proportion of a weight of the zeolite particles relative to a sum of a weight of the alumina particles and the weight of the zeolite particles being is in a range of 1 wt.% to 70 wt.%, and

the zeolite particles are capable of absorbing 0.6 to 1.5 mmol NH₃ at 160°C to 550°C per gram of the zeolite particles.

2. (Currently Amended) The catalyst composition according to claim 1, wherein the silicon compound is catalyst composition is capable of removing organosilicon compounds from the exhaust gas an organosilicon compound.

3. (Currently Amended) The catalyst composition according to claim 1, wherein the silicon compound is an organic silicone catalyst composition is capable of removing organic silicone compounds from the exhaust gas.

4. (Canceled)

5. (Currently Amended) The catalyst composition according to [[,]] claim 1, further containing a binder.

6. (Cancelled)

7. (Currently Amended) The catalyst composition according to [[,]] claim 1, wherein the precious metal is Pt, Pd, Rh, Ir or Ru, an alloy of any of these, or a mixture of these.

8. (Cancelled)

9. (Currently Amended) The catalyst composition according to [[,]] claim 1, wherein the zeolite comprises an alkali metal oxide, an alkaline earth metal oxide, or both, and wherein a sum of an amount of an alkali metal oxide converted from an alkali metal contained in the zeolite, and an amount of an alkaline earth metal oxide converted from an alkaline earth metal contained in the zeolite is 5 wt.% or less based on a total amount of the zeolite.

10. (Currently amended) A catalyst comprising:
a catalyst substrate; and

a catalyst layer formed on the catalyst substrate and containing the catalyst composition according to [[,]] claim 1.

11. (Original) The catalyst according to claim 10, wherein an average thickness of the catalyst layer is in a range of 10 to 500 μm .

12. (Withdrawn) An exhaust gas purification method comprising the step of: bringing an exhaust gas containing an organic compound and a silicon compound into contact with the catalyst according to [[,]] claim 10, at a temperature of 200 to 500°C for reaction thereof.

13. (Withdrawn) A method for producing a catalyst for purifying an exhaust gas containing an organic compound and a silicon compound, comprising the steps of:

preparing a slurry containing alumina particles having a precious metal carried thereon and zeolite; and

coating the slurry onto a substrate, followed by drying.

14. (New) The catalyst composition of claim 1, wherein the zeolite particles are selected from the group consisting of HY zeolites, X zeolites, A zeolites, and any combination thereof.

15. (New) The catalyst composition of claim 14, wherein the zeolite particles comprise said HY zeolites, and said HY zeolites have a $\text{SiO}_2/\text{Al}_2\text{O}_3$ molar ratio in the range of 5 to 50.

16. (New) The catalyst composition of claim 1, wherein the catalyst composition is capable of removing methyl ethyl ketone from the exhaust gas at a removal rate of at least 85% for at least 400 minutes.

17. (New) The catalyst composition of claim 1, wherein the catalyst composition is capable of removing the silicon compound from the exhaust gas.